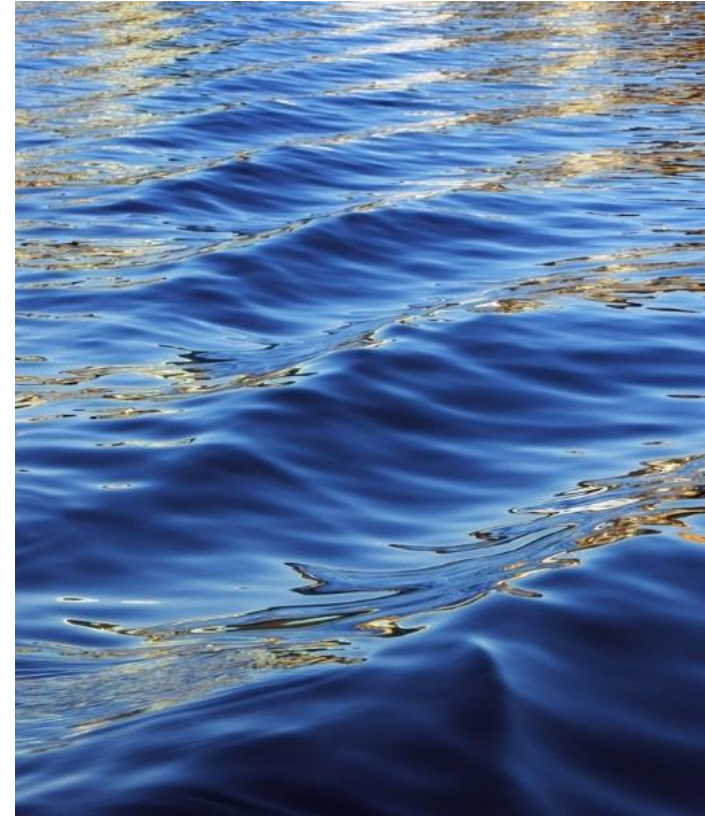


The path towards creating

Delaware's Environmental Public Health Tracking Network



Presented by : Tabatha Offutt-Powell, Dr.P.H., M.P.H.
Division of Public Health, Department of Health and Social Services

Setting the stage

- In December 2014, the Delaware Division of Public Health drafted the *Health Data for Delaware* proposal with a vision that “Delawareans have access to usable, meaningful, timely, and high-quality data about their health and the health of the communities in which they live.”

DELAWAREANS MUST HAVE:



...the communities in which they live...

- DPH focused its proposal on Step 2, that Delawareans must have access to data about the community in which they live.
 - Considered as a first step to improving the health of our population, reducing disparities, and improving health equity.
 - Requires that individuals have information on the social, political, economic, and environmental conditions that affect their health and the health of the community in which they live.
 - Information should be shared in readily usable and understandable formats.
- DPH proposed to develop an interactive Web-based data portal.

Figure 1. Conceptual illustration of key components within a data portal.

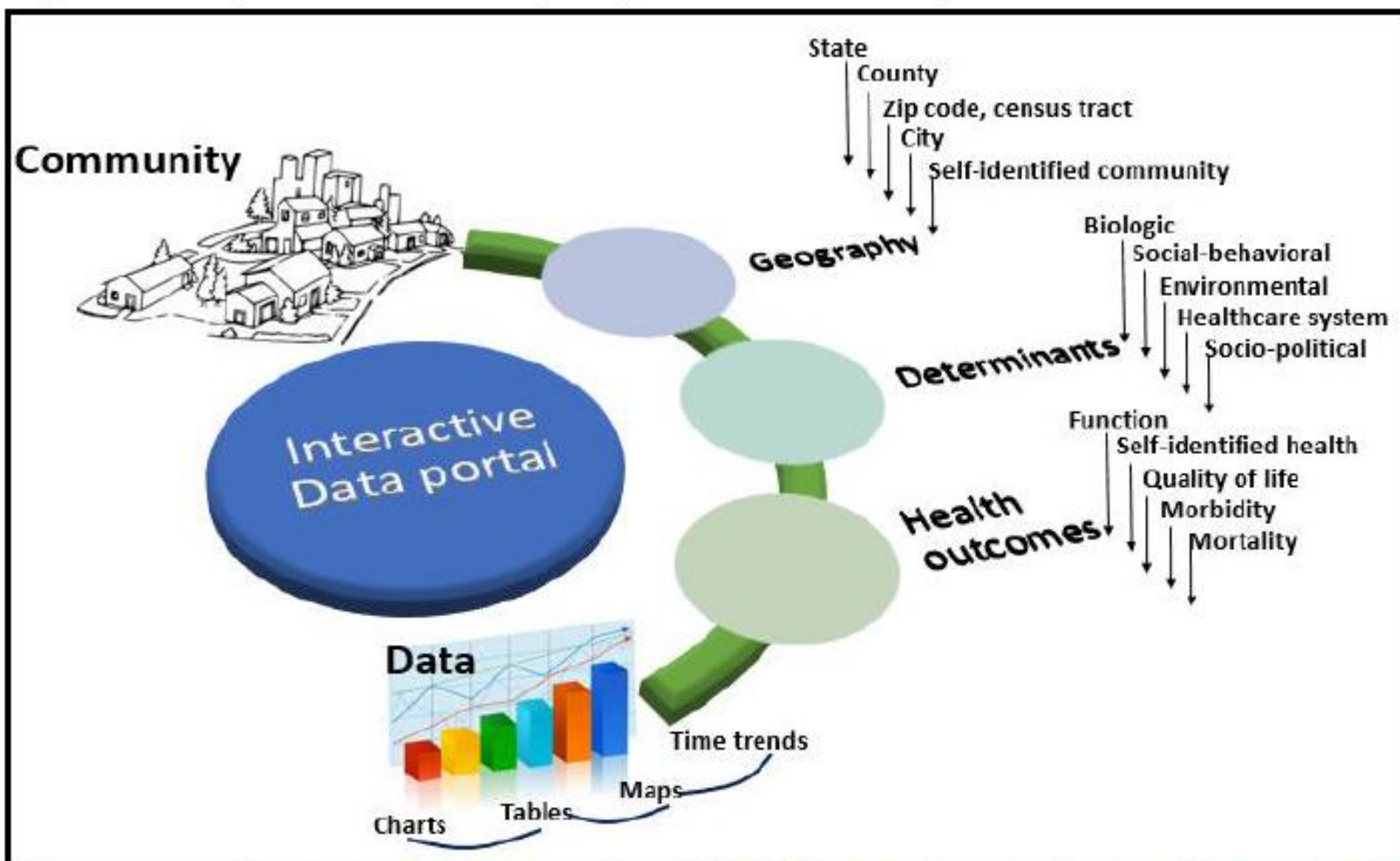
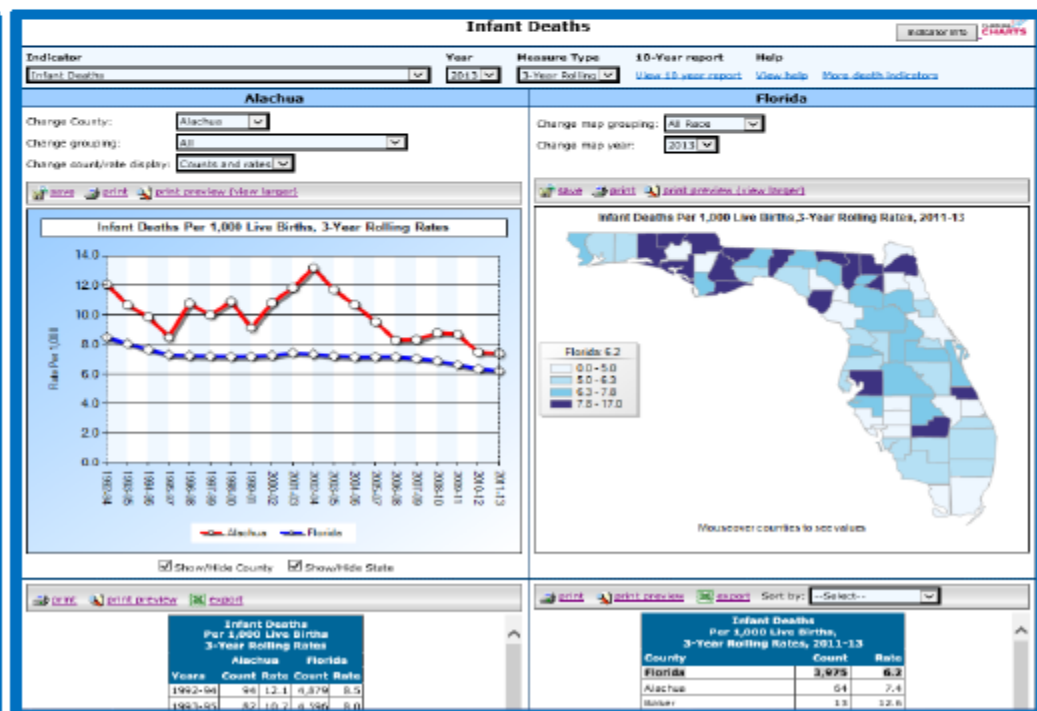
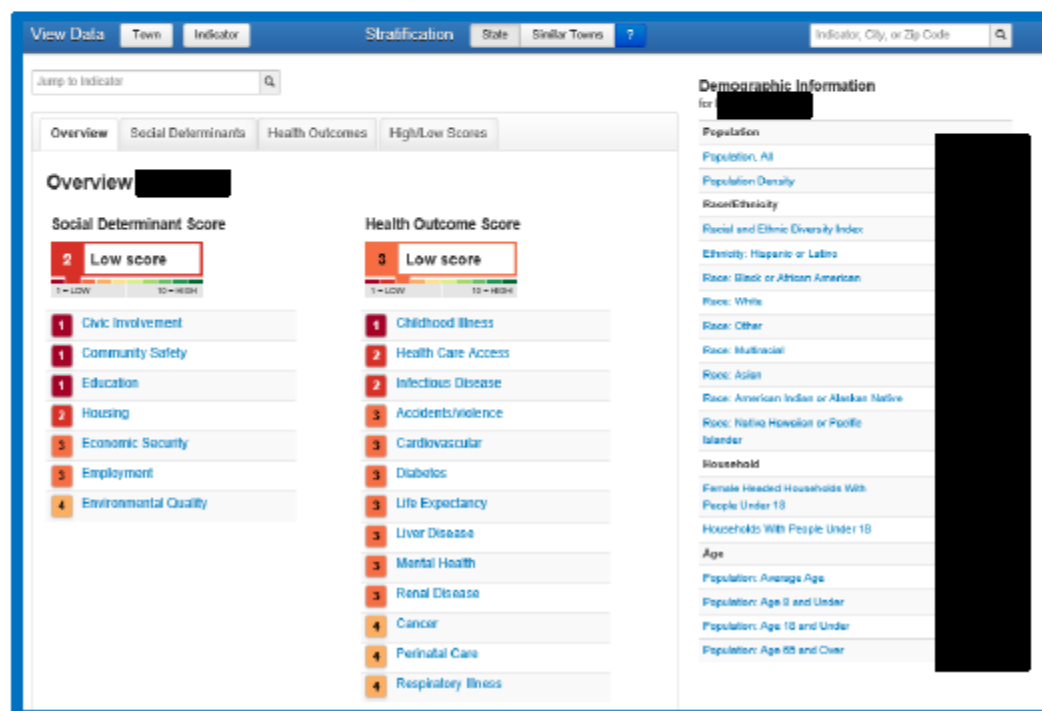
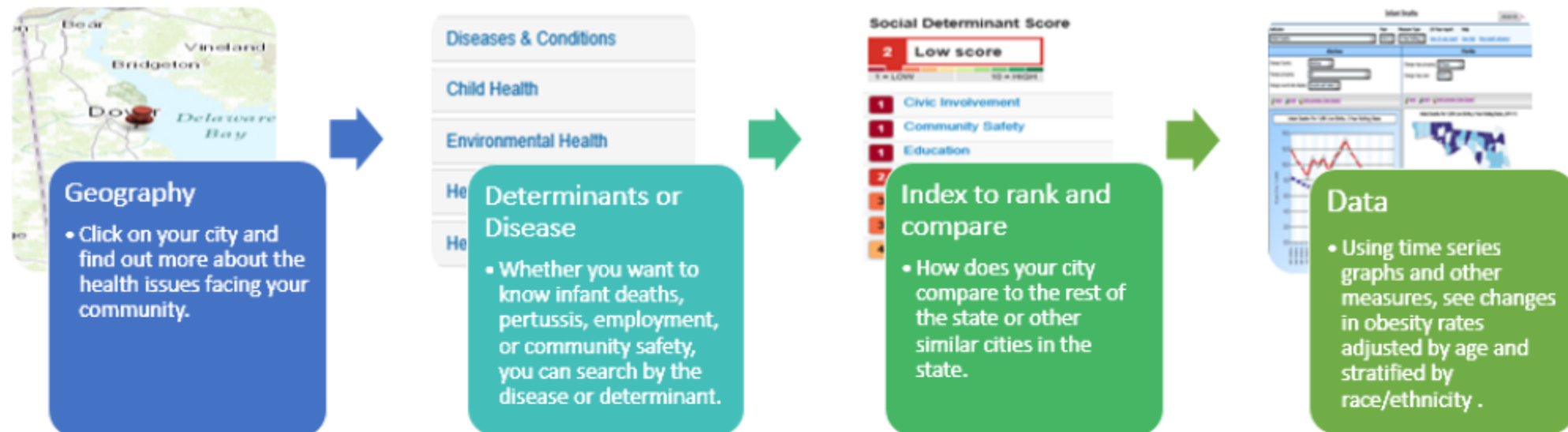
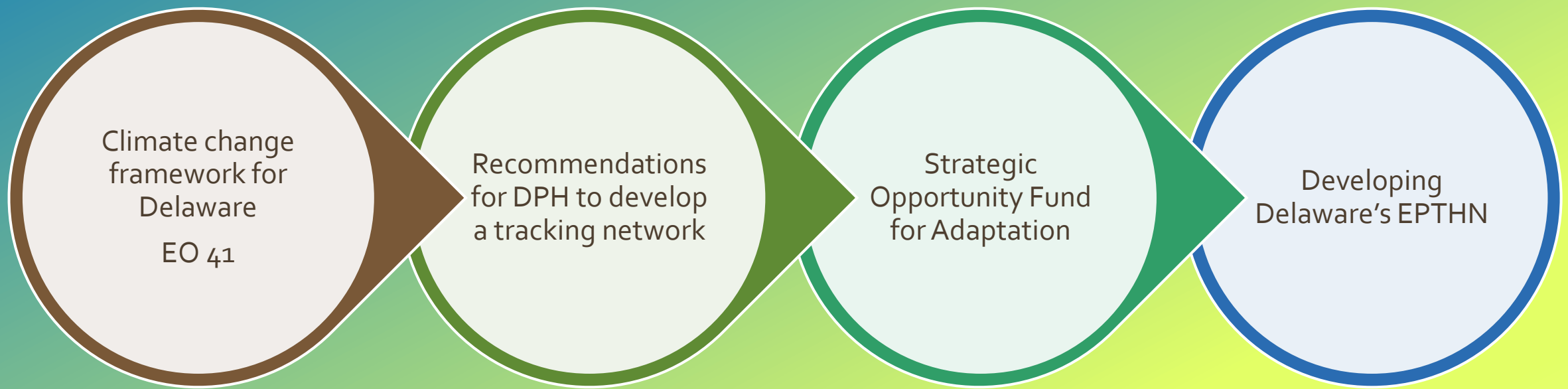



Figure 2. Illustration of an interactive Web-based data portal for Delaware communities.



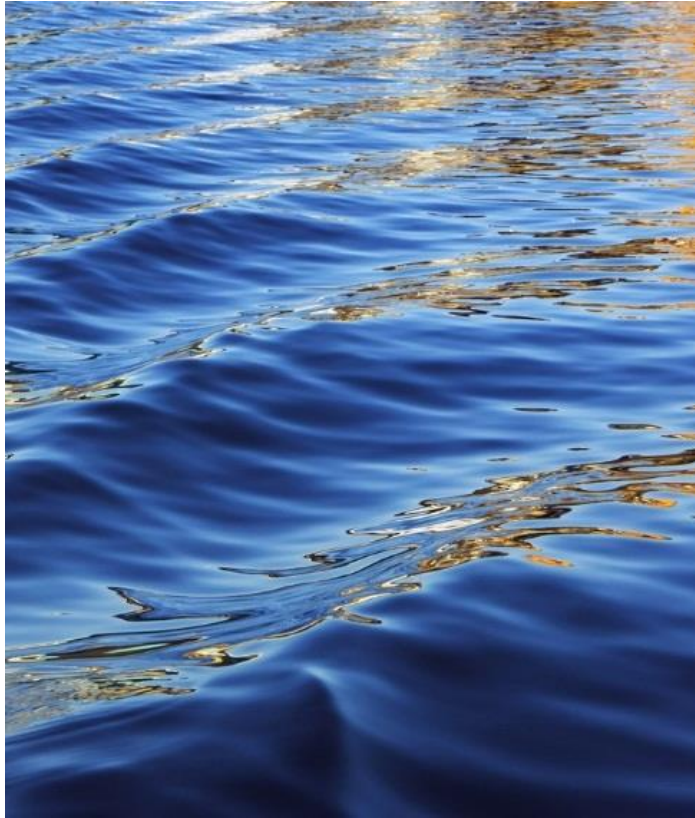
Finding a path...







The approach for creating Delaware's tracking network



Systematic approach

1

Model after national tracking network – understand requirements.

2

Follow CDC data standards (NCDMs) to ensure comparability, validity, and high quality of data presented and shared with partners.

3

Review existing state networks – design and presentation of data – end-user experience.

4

Determine potential for using existing state infrastructure (i.e., Delaware Open Data).

5

Engage partners in Governance Committee and Technical Advisory Group.

6

Share intent to develop tracking network with internal and external stakeholders.

7

Create and develop an environment for sustainability.

8

Ensure data are available by meaningful geographic designations.

The National Environmental Public Health Tracking Network

- **2002:** initial funding to develop a national tracking network following IOM report.
- **2002-2006:** pilot projects implemented in states.
- **2006:** CDC funded 16 state tracking networks.
- Currently 26 state and local tracking networks



Tracking network content areas



Air quality



Drinking water quality



Childhood lead exposure



Birth defects



Reproductive health outcomes

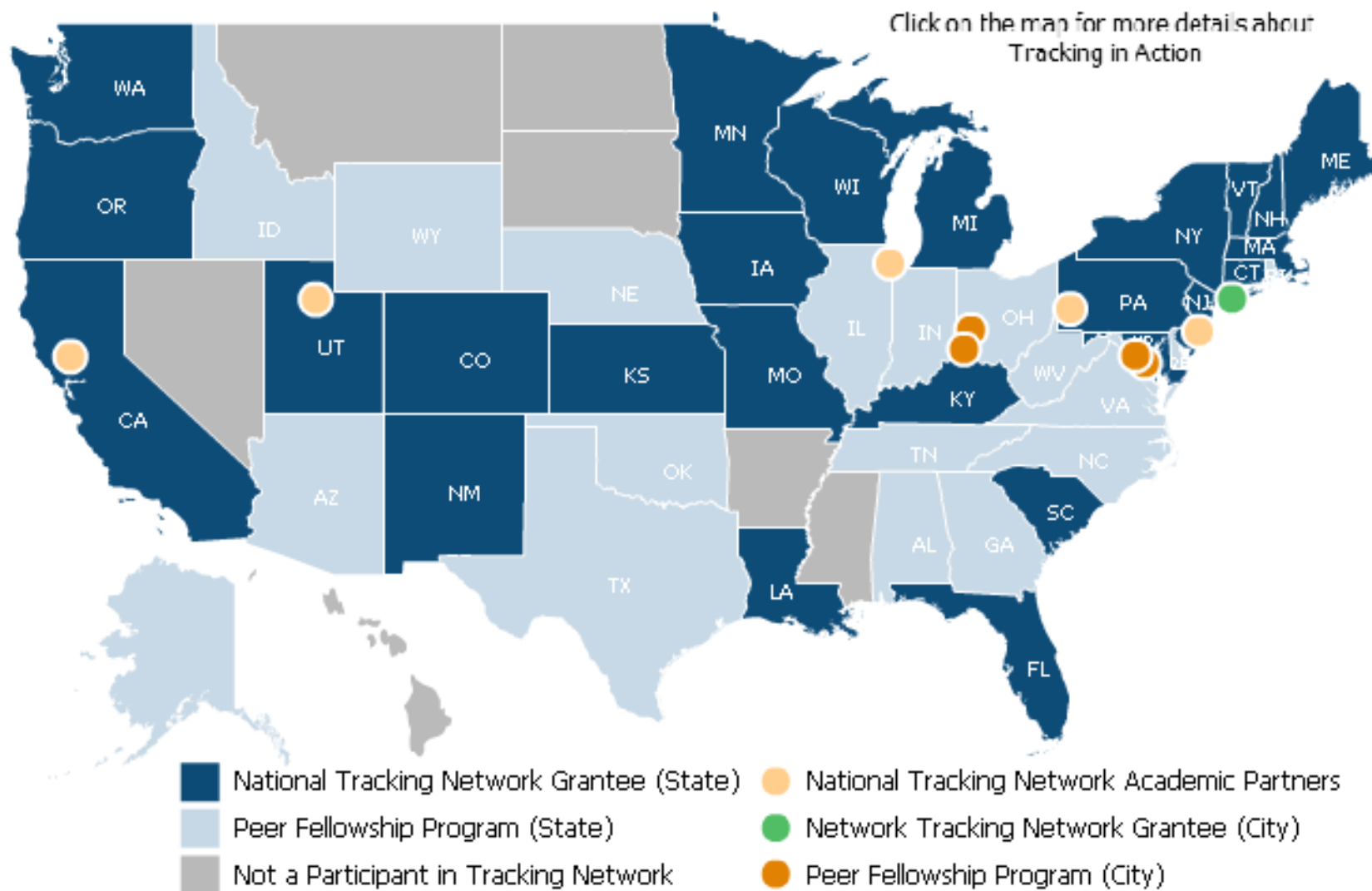


Hospitalization data

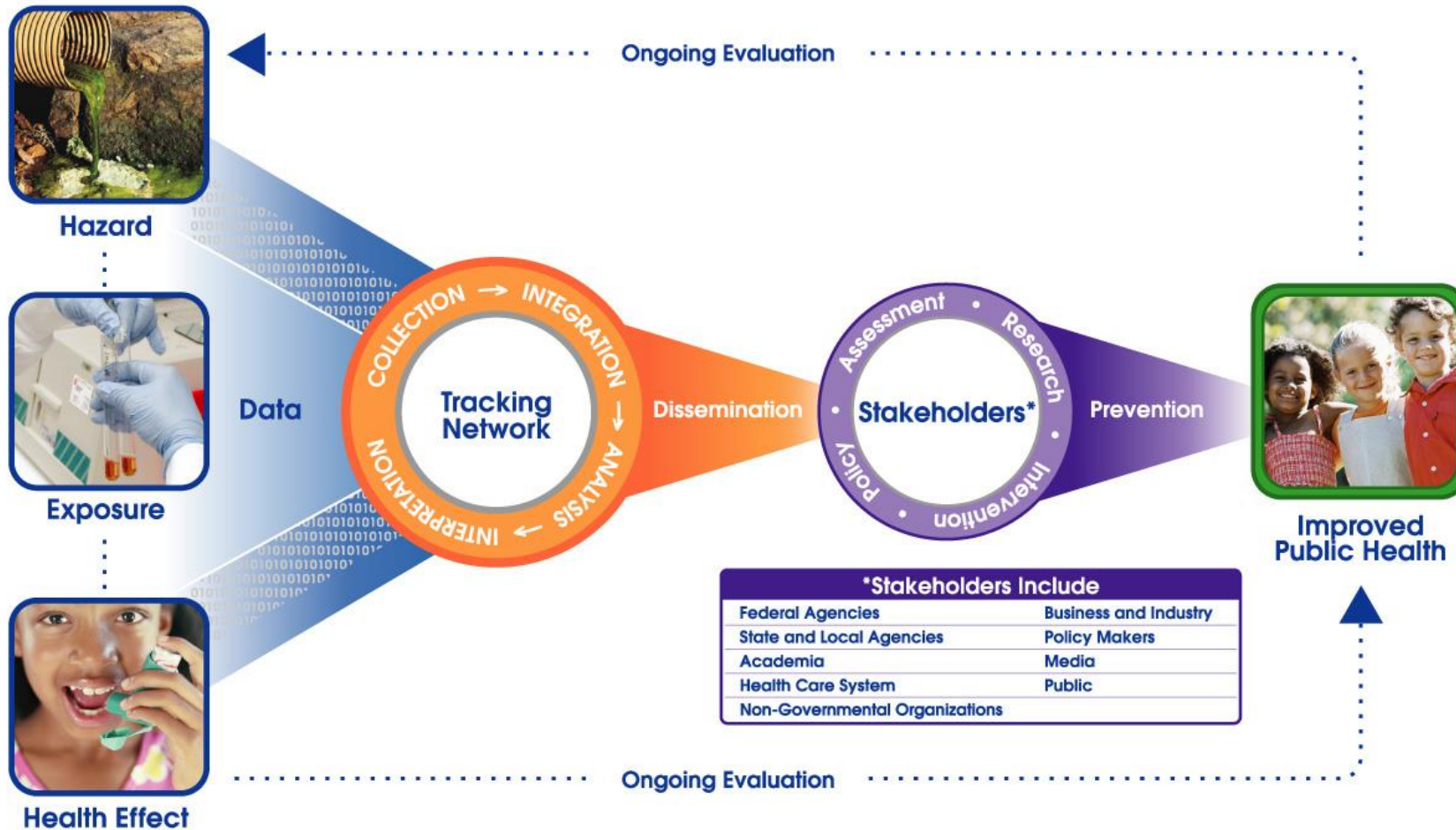


Carbon monoxide poisoning

Tracking in action



ENVIRONMENTAL PUBLIC HEALTH TRACKING



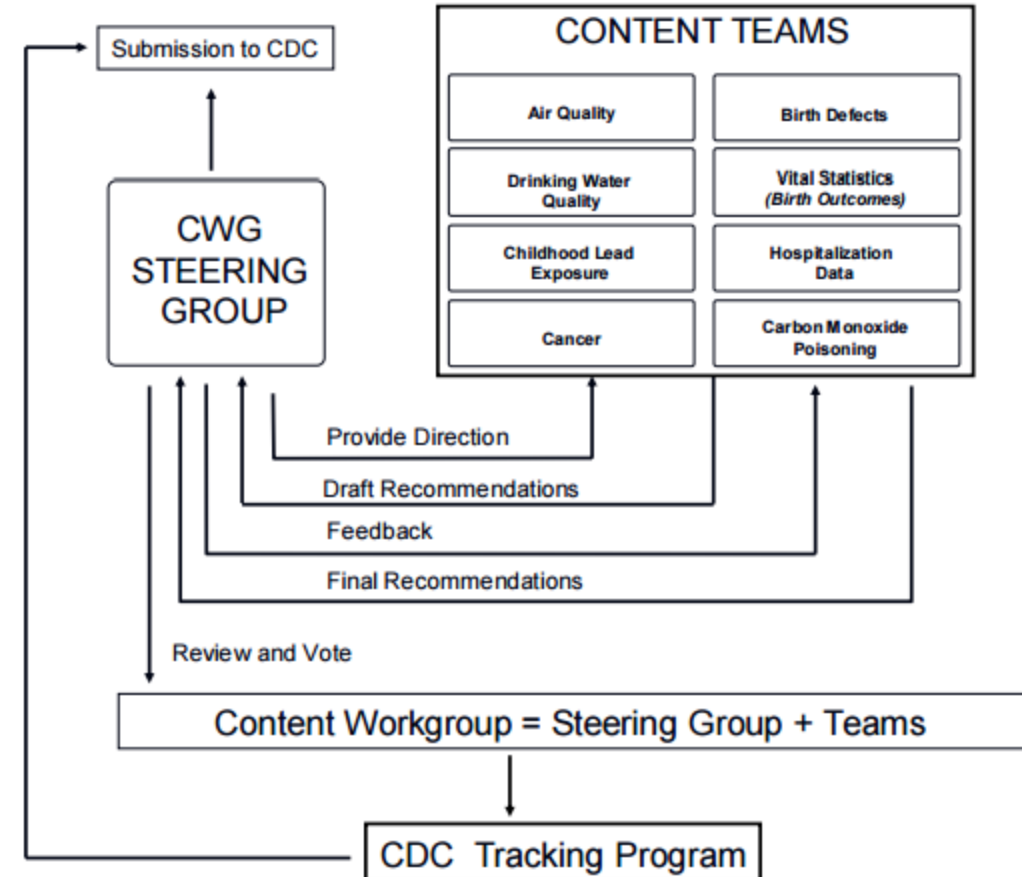
DEPARTMENT OF HEALTH AND HUMAN SERVICES
CENTERS FOR DISEASE CONTROL AND PREVENTION
SAFER • HEALTHIER • PEOPLE



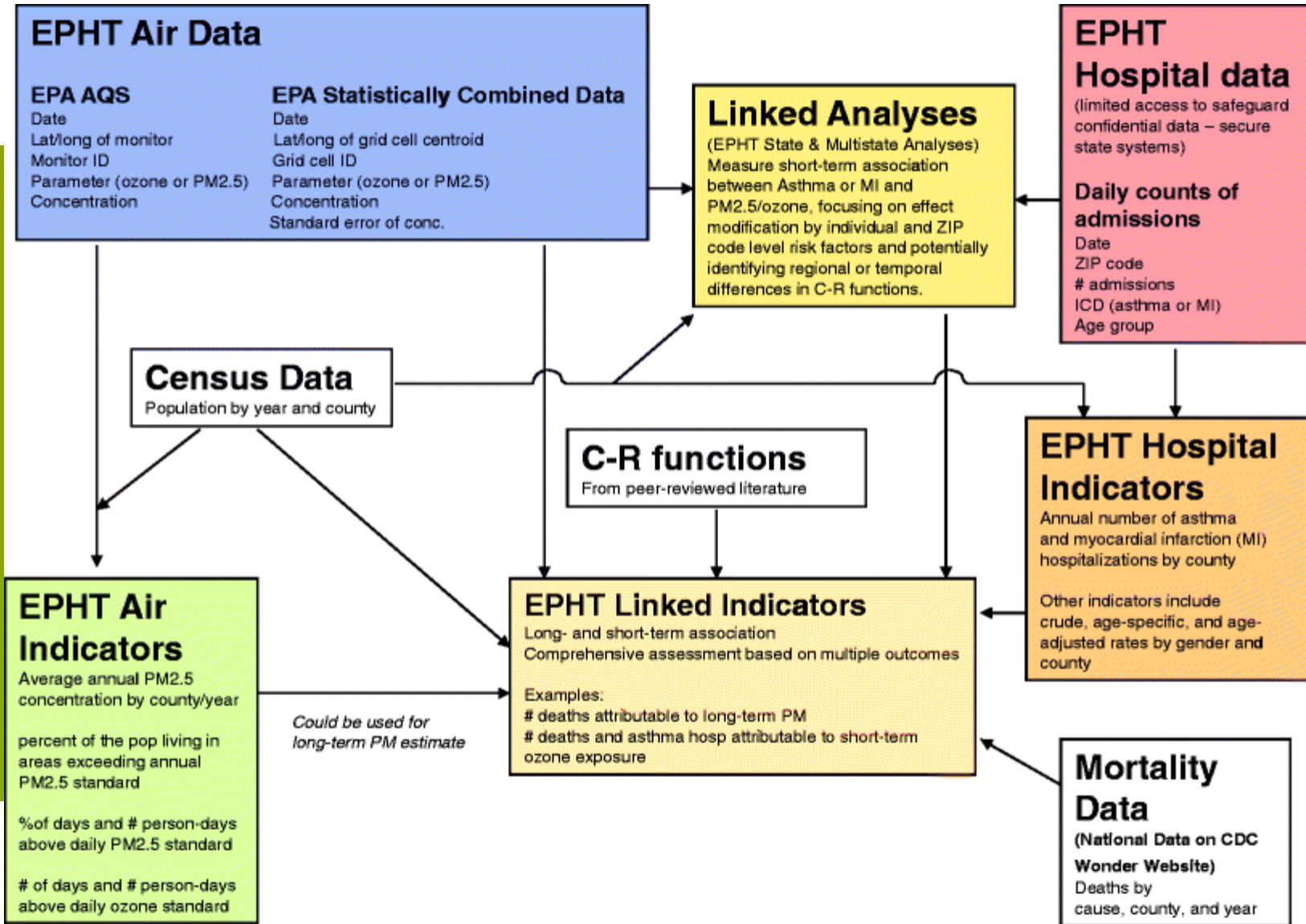
Nationally consistent data and measures

- Ensure compatibility and comparability of the data across states.
- Health and environmental agencies have a long history of tracking trends in health and environmental factors separately.

Figure 1: Content Work Group (CWG) Structure and Process, 2006 - 2010



NCDMs of air quality



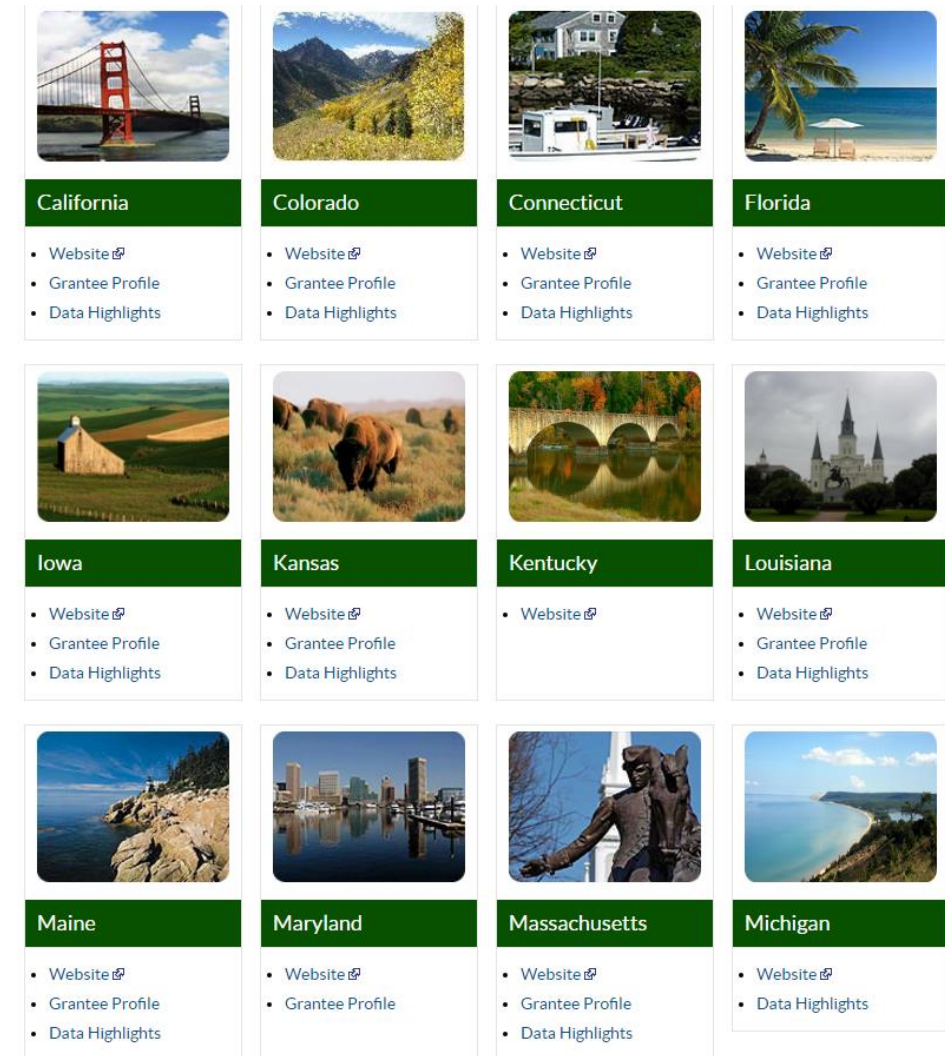


State tracking networks



State tracking networks

- State-specific data that may not already be available at the national level.
- Opportunity to present data in geographic designations that are meaningful for Delaware.
 - Aggregation of census tracts into communities.
 - More granularity than what is presented on national tracking network.





Florida's tracking network



Florida's tracking network

Community

- Built Environment
- Community Profiles
- Housing
- Population

Environment

- Air Quality - Outdoor
- Drinking Water
- Indoor Air - Radon
- Secondhand Smoke

Health

- Asthma
- Birth Defects
- Cancer
- Carbon Monoxide
- Childhood Lead
- Chronic Pulmonary Obstructive Disease
- Enteric Disease
- Healthy Weight
- Heart Attacks
- Heat-Related Events
- Injuries
- Occupational
- Pesticide Exposure
- Reproductive Outcomes



Florida Environmental Public Health Tracking

works in partnership with the US Centers for Disease Control and Prevention to track diseases that may be related to environmental exposures. This website provides data sets on environmental hazards and associated health outcomes. The purpose of these efforts is to inform communities about disease trends and to design interventions that lead to better health outcomes. [Learn more](#)

What's new?



Updated [asthma](#) and [heart attack](#) data



[Occupational](#) health indicators



Florida Charts



County profiles



Healthiest Weigh Alachua County

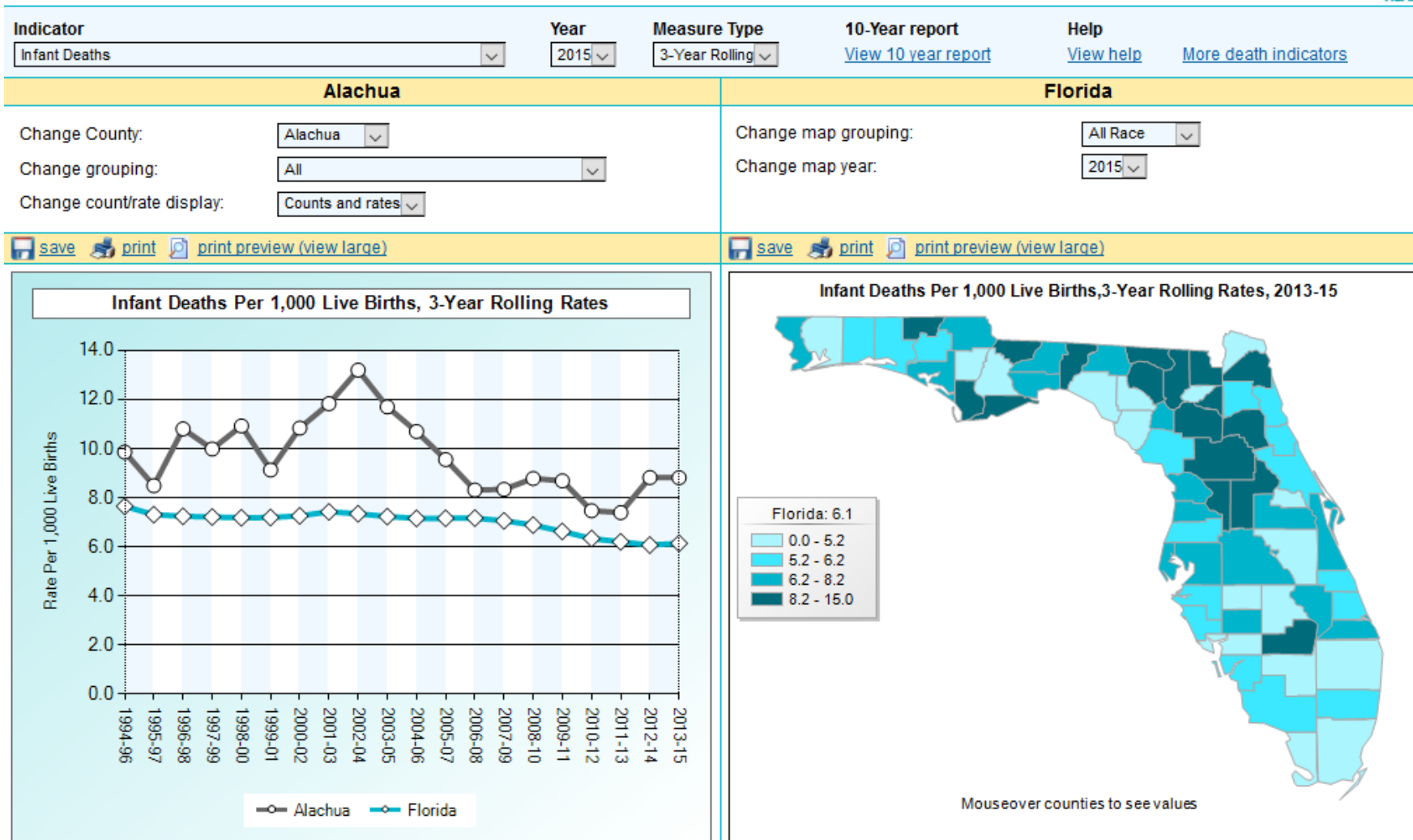
Indicator	Year(s)	Rate Type
Socio-Demographic Characteristics		
Total county population ¹	2014	Count
Population under 18 Years Old ¹	2014	Percent of Total Pop
Population 18-64 Years Old ¹	2014	Percent of Total Pop
Population 65+ Years Old ¹	2014	Percent of Total Pop
Population - White ¹	2014	Percent of Total Pop
Population - Black ¹	2014	Percent of Total Pop
Population - Other ¹	2014	Percent of Total Pop
Population - Hispanic ¹	2014	Percent of Total Pop
Population - Non-Hispanic ¹	2014	Percent of Total Pop
Population below 100% poverty ²	2013 5-yr est	Percent
Population 5+ that speak English less than very well ³	2013 5-yr est	Percent
Adults 18-64 with any health care coverage ⁴	2013	Percent
Adults reporting a personal doctor or health care provider ⁴	2013	Percent
Weight, Activity, and Eating Habits among Adults		
Adults who are at a healthy weight ⁴	2013	Percent
Adults who are underweight ⁴	2013	Percent
Adults who are overweight or obese ⁴	2013	Percent
Adults who are overweight ⁴	2013	Percent
Adults who are obese ⁴	2013	Percent
Adults who participated in 150 minutes or more (or vigorous equivalent minutes) of aerobic physical activity per week ⁴	2013	Percent

Adults who are overweight ⁴	2013	Percent		32.4%	1		36.4%
Adults who are obese ⁴	2013	Percent		24.4%	1		26.4%
Adults who participated in 150 minutes or more (or vigorous equivalent minutes) of aerobic physical activity per week ⁴	2013	Percent		57.1%	1		50.2%
Adults who participated in muscle strengthening exercises two or more times per week ⁴	2013	Percent		38.2%	1		29.6%
Adults who participated in enough aerobic and muscle strengthening exercises to meet guidelines ⁴	2013	Percent		25.4%	1		19.9%
Adults who are sedentary ⁴	2013	Percent		19.7%	1		27.7%
Adults who consume at least 5 servings of fruits and vegetables a day ⁴	2013	Percent		19.7%	1		18.3%
Weight, Activity, and Eating Habits among Children and Teens							
Middle and high school students who are at a healthy weight ⁵	2014	Percent		70.3%	1		67.6%
Middle and high school students who are underweight ⁵	2014	Percent		3.4%	1		4.2%
Middle and high school students who are overweight or obese ⁵	2014	Percent		26.2%	1		28.2%
Middle and high school students who are overweight ⁵	2014	Percent		14.8%	1		15.8%
Middle and high school students who are obese ⁵	2014	Percent		11.4%	1		12.4%
Middle and high school students who were physically active for at least 60 minutes per day on all 7 of the past days ⁵	2014	Percent		24.5%	3		22.9%
Maternal Weight and Breastfeeding among Mothers							
Live births to mothers who are at a healthy weight (BMI 18.5-24.9) at time pregnancy occurred ⁶	2014	Percent of Live Births	1,323	45.4%	2	97,364	44.3%
Births to Underweight Mothers at time Pregnancy Occurred	2014	Percent of Live Births	323	11.1%	3	23,594	10.7%
Live births to mothers who are overweight (BMI 25.0-29.9) at time pregnancy occurred ⁶	2014	Percent of Live Births	658	22.6%	2	53,059	24.1%
Live births to mothers who are obese (BMI ≥ 30) at time pregnancy occurred ⁶	2014	Percent of Live Births	722	24.8%	3	47,243	21.5%
Live births to mothers who initiate breastfeeding ⁶	2014	Percent of Live Births	2,505	85.9%	1	185,186	84.2%

Florida Charts

Infant Deaths

indicator info



Presented on same page as previous slide

export print print preview									export print print preview view MOV graph Sort by: --Select--				
1996-98	80	7,405	10.8*	2.4	4,178	577,206	7.2	0.2	Bay	56	6,963	8.0	2.1
1997-99	73	7,314	10.0*	2.3	4,216	584,831	7.2	0.2	Bradford	13	888	14.6*	7.9
1998-00	81	7,416	10.9*	2.4	4,281	596,557	7.2	0.2	Brevard	97	15,581	6.2	1.2
1999-01	68	7,451	9.1	2.2	4,361	606,793	7.2	0.2	Broward	346	66,061	5.2*	0.6
2000-02	81	7,475	10.8*	2.3	4,466	615,410	7.3	0.2	Calhoun	2	418	4.8	
2001-03	87	7,355	11.8*	2.5	4,627	623,623	7.4	0.2	Charlotte	12	3,058	3.9*	2.2
2002-04	99	7,500	13.2*	2.6	4,668	635,868	7.3	0.2	Citrus	25	3,054	8.2	3.2
2003-05	91	7,777	11.7*	2.4	4,746	656,507	7.2	0.2	Clay	34	6,396	5.3	1.8
2004-06	87	8,134	10.7*	2.2	4,875	681,430	7.2	0.2	Collier	56	9,698	5.8	1.5
2005-07	80	8,376	9.6*	2.1	5,028	702,505	7.2	0.2	Columbia	21	2,483	8.5	3.6
2006-08	72	8,666	8.3	1.9	5,069	707,703	7.2	0.2	Miami-Dade	440	95,569	4.6*	0.4
2007-09	73	8,754	8.3	1.9	4,881	691,928	7.1	0.2	De Soto	9	1,123	8.0	5.2
2008-10	77	8,771	8.8	2.0	4,592	667,327	6.9	0.2	Dixie	1	467	2.1	
2009-11	76	8,751	8.7*	1.9	4,297	649,147	6.6	0.2	Duval	324	38,110	8.5*	0.9
									Escambia	99	11,598	7.6	1.6



New Hampshire's tracking network

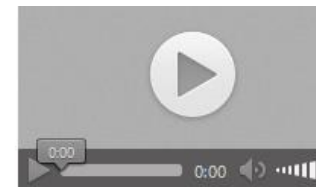


New Hampshire



WISDOM

Connecting NH to Health Data



Getting Started

Data Source

Tutorials

Notices

Technical Support

Contact Us

State Health Improvement Priorities



Asthma



Cancer



Healthy mothers and babies



Heart disease and stroke



Injury prevention



Misuse of alcohol and drugs



Obesity/Diabetes



Tobacco

State Initiatives



NH Environmental Public Health Tracking Program



Perfluorochemical (PFC) Blood Testing and Community Exposure



Health Equity



NH Youth Risk Behavior



Occupational Health Surveillance Program



Environmental Public Health Tracking

Making the Connection between Health and Environment



News

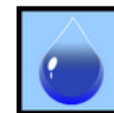
About Us



Tracking Air Quality



Tracking Cancer



Tracking Drinking Water



Tracking Asthma



Tracking Climate Change



Tracking Heart Disease



Tracking Birth Conditions and Outcomes



Tracking CO Poisoning







Tracking Radon



Tracking Childhood Lead Poisoning

Air quality

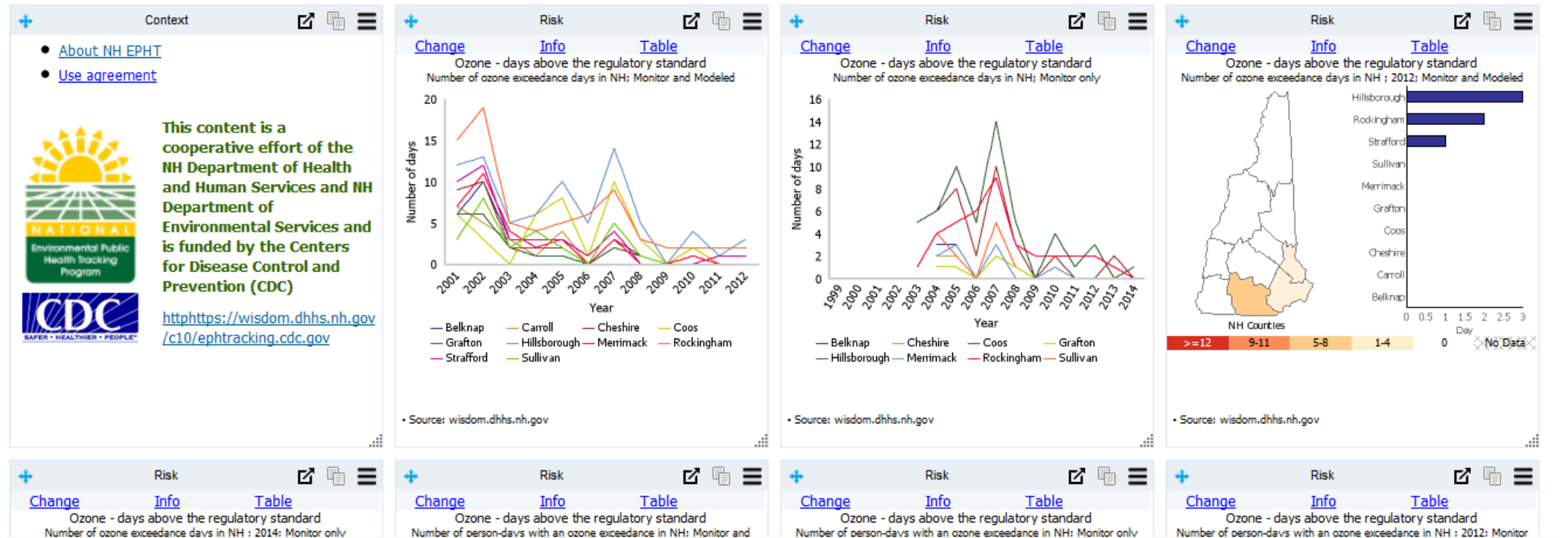
NH Health **WISDOM** Search A A A  User    Help

Home NH Environmental Public Health Tracking Program Tracking Air Quality EPHT: Air quality - Ozone

Add Data Save/Share

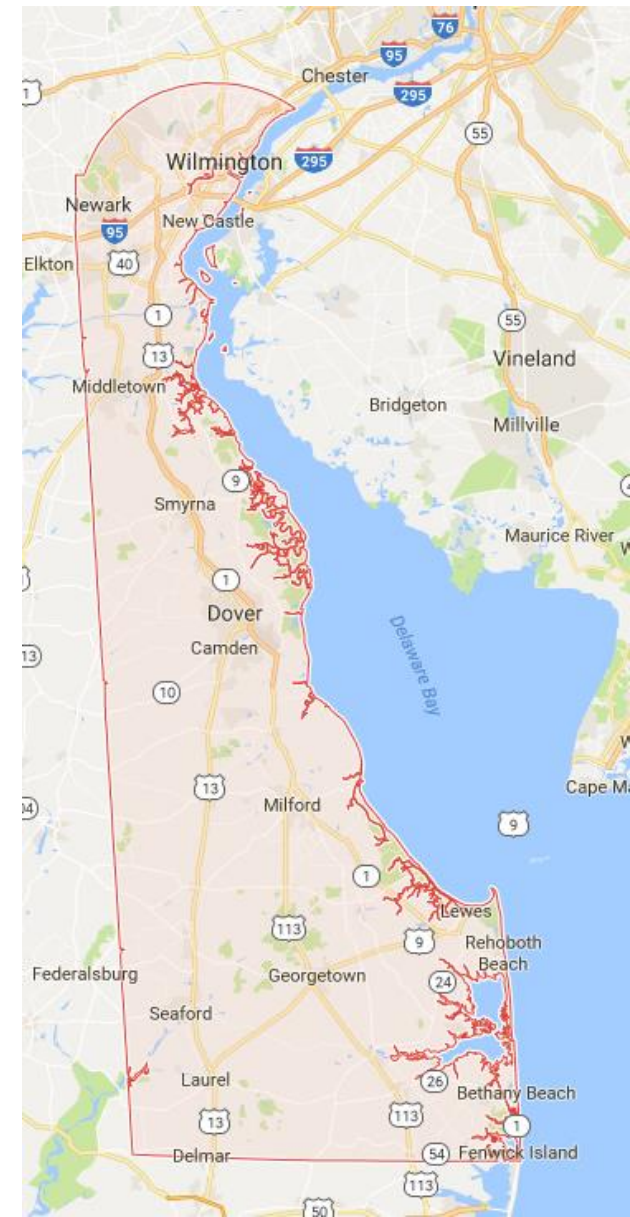
EPHT: Air quality - Ozone

- Number of days with maximum 8-hour average ozone concentration over the NAAQS
 - Number of person-days with maximum 8-hour average ozone concentration over the NAAQS
 - The daily ozone National Ambient Air Quality Standard (NAAQS) is 0.075 ppm. EPA established this new 8-hour standard for ozone of 0.075 parts per million (ppm) in 2008. The previous 8-hour
- ...show more ...show less



Delaware tracking network

- Reviewed existing state tracking networks to identify the “best parts” of each state network to use for the development of Delaware’s network.
- Reviewed and included existing nationally consistent data and measures as a requirement.
 - Enables participation in national tracking network.
 - Ensures that when CDC funding becomes available, our state tracking network meets the requirements for funding
- Ensure that data are stratified by community into community profiles (similar to Florida Charts).
- Ensure that the system is flexible and can be modified by DPH staff when updated data are available.
- Funding is available to develop the data portal; will include selected environmental and health data.



The tracking network is more than data...

- Tool for relevant health and environmental information.
- Points the community to valuable resources.
- Highlights the use of the data for health impact assessments – improvement of population health.
- Tool that provides information to the community in a usable format that can be translated into action through the generation of hypotheses about causes and underlying mechanisms that should be explored.



Community
Built Environment
Community Profiles
Housing
Population
Environment
Air Quality - Outdoor
Drinking Water
Indoor Air - Radon
Secondhand Smoke
Health
Asthma
Birth Defects
Cancer
Carbon Monoxide
Childhood Lead
Chronic Pulmonary
Obstructive Disease
Enteric Disease
Healthy Weight
Heart Attacks

Heat-Related Events

Overview Data FAQ More Information

Extreme heat events such as heat waves can affect health in many ways. The Tracking Network monitors the effects of heat events on health by collecting data on heat-related morbidity (hospitalizations and emergency department visits) and heat-related mortality. Some populations are at higher risk for heat-related morbidity and mortality such as those with underlying medical conditions such as heart disease or asthma, people who are elderly or very young, people who work outdoors, and people who live in buildings without air conditioning and/or people who cannot afford to use their air conditioning.

Thank you!

Questions?

